



PENNSYLVANIA
TECH ACCELERATOR

**Supports Coordinator
Training Series
Training #6
2026**

Innovative and Emerging Technology Solutions for Community Living

Trainer

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State of the States
In Intellectual and Developmental Disabilities



Pennsylvania Tech Accelerator Partners



Office of Developmental Programs
Office of Long-Term Living



Institute on Disabilities



State of the States
In Intellectual and Developmental Disabilities

KU CENTER ON
DISABILITIES



Technology First Systems Change



Technology First began as a movement but has transformed into a “framework for systems change where technology is considered first in the discussion of support options available to individuals and families through person-centered approaches to promote meaningful participation, social inclusion, self-determination, and quality of life.”

Tanis, 2019





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Technology Solutions for High-Quality Community Living

Technology Solution

Any innovation applied in the environment to address a mismatch in cultural, social, or contextual demands for people with disabilities.

- The term is an umbrella term
- The term technology solution allows for the inclusion of multi-functional and diverse technologies
- The term implies a person-directed and goal-oriented approach to the identification, acquisition, and on-going training of technologies
- The term supports the development of solutions to eliminate the mismatch between the person and environment
- The term allows for the inclusion of emerging and future technologies not yet identified to be supported through policy and practice



Building a Knowledge Network

- Impossible to know all the technology out there
- Supports Coordinator – Community of Practice
- Share resources
 - TechOWL - [Home - ATAP](#)
 - Assistive Technology for Kansans - [ATK - Assistive Technology for Kansans](#)
 - [Membership Directory - Assistive Technology Industry Association](#)
 - [CTIA Access Wireless – GARI](#) – Global Accessibility Reporting Initiative
 - [Tech Toolbox™](#) The Arc U.S.
 - [Make Life Easier with Helpful Apps | BridgingApps](#)
 - Wyoming - Tech2Connect
 - **Auxiliary Markets – Family Supports, Direct Support Professionals, Friends, Etc.**



Charting the LifeCourse Life Domains



The use of trade, vendor, or product names within this presentation is for user information and does not imply endorsement by the University of Kansas, State of the States project, or partners in the PA Technology Accelerator program.



**ENDORSEMENT
DISCLAIMER**



Daily Life and Employment



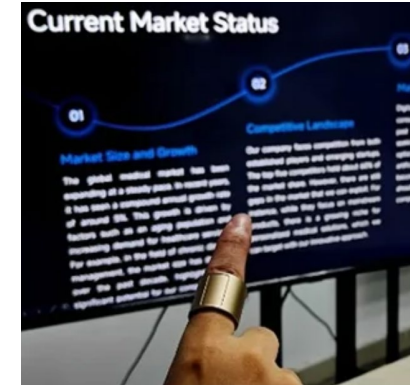
Portable Braille Device



Customer Service Through Sign Language



Multi-Line Braille Interface



Ring Mouse Controller



Self-Driving Taxis



Community Living

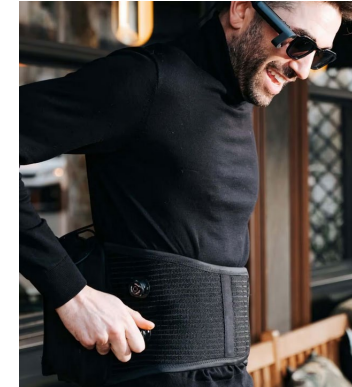


Robotic
Navigation

Airport
Accessibility



Robotic
Wheelchairs



Haptic Feedback
For Navigating



Adaptive Shoes



Automated
Blinds



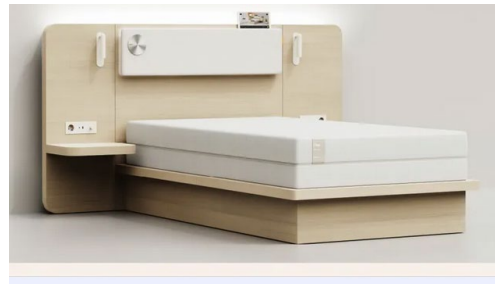
Healthy Living



At-Home
Sleep Study



Smart Pill Box



Sleep-
Tracking Bed



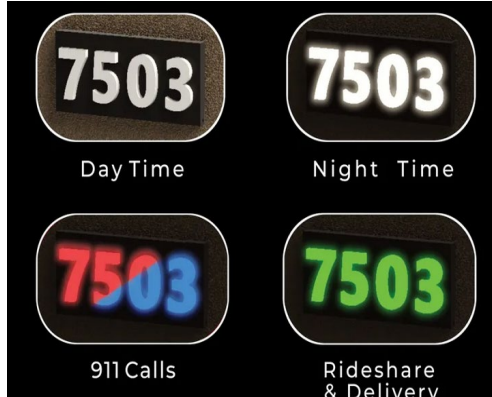
Glasses
Prescriptions from
Home



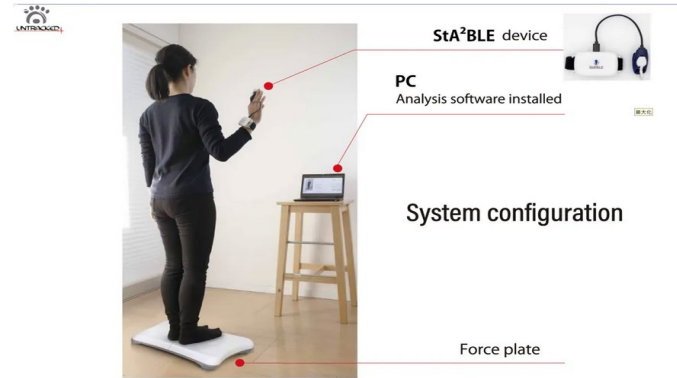
Health Scanner



Safety and Security



Smart House Numbers



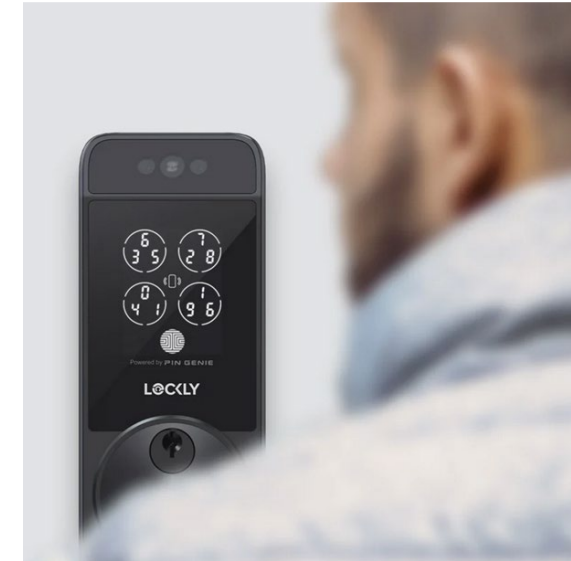
Fall Risk Detection



Smart Fire Alarms



Obstacle-Avoiding Cane



Facial Recognition Locks

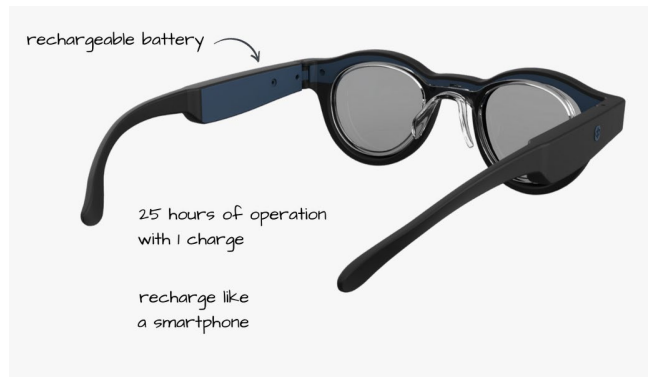


Social and Spiritual

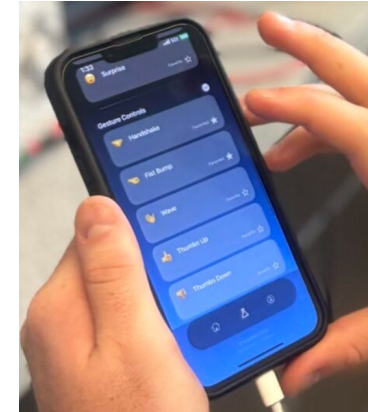


Clothing That
Vibrates To
Music

Self-Moving Shuttle



Glasses For Making
Reading Easier



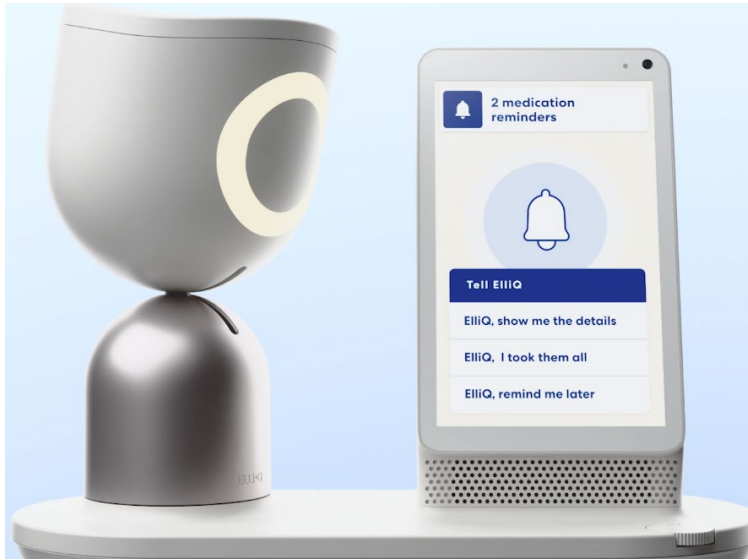
Haptic Nonverbal Cues



Robotic
Pets



Advocacy and Engagement



Daily Reminder Robot



Brain Wave Interface



Neuro Wellness Booth





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Innovative and Disruptive Technology Solutions

State Trends in Technology Initiatives

**Virtual Job
Coach Training**

**Smart Home
Models**

**Remote
Supports**

**Telehealth Solutions for
Reducing Emergency Room
Visits**

**Technology Training for Users,
Families, and
Direct Support Professionals**

**Connected
Communities**

**Emerging Technology
Investigations
(ex. AI, Mixed Reality)**

**Technology
Summits**



Disruptive Technologies – New York Times

- **Artificial Intelligence Integration**
- Voice Assistants and Chatbots
- New Personal Computing Devices – (ex. glasses)
- Advanced web browsing
- Self-Driving Taxis

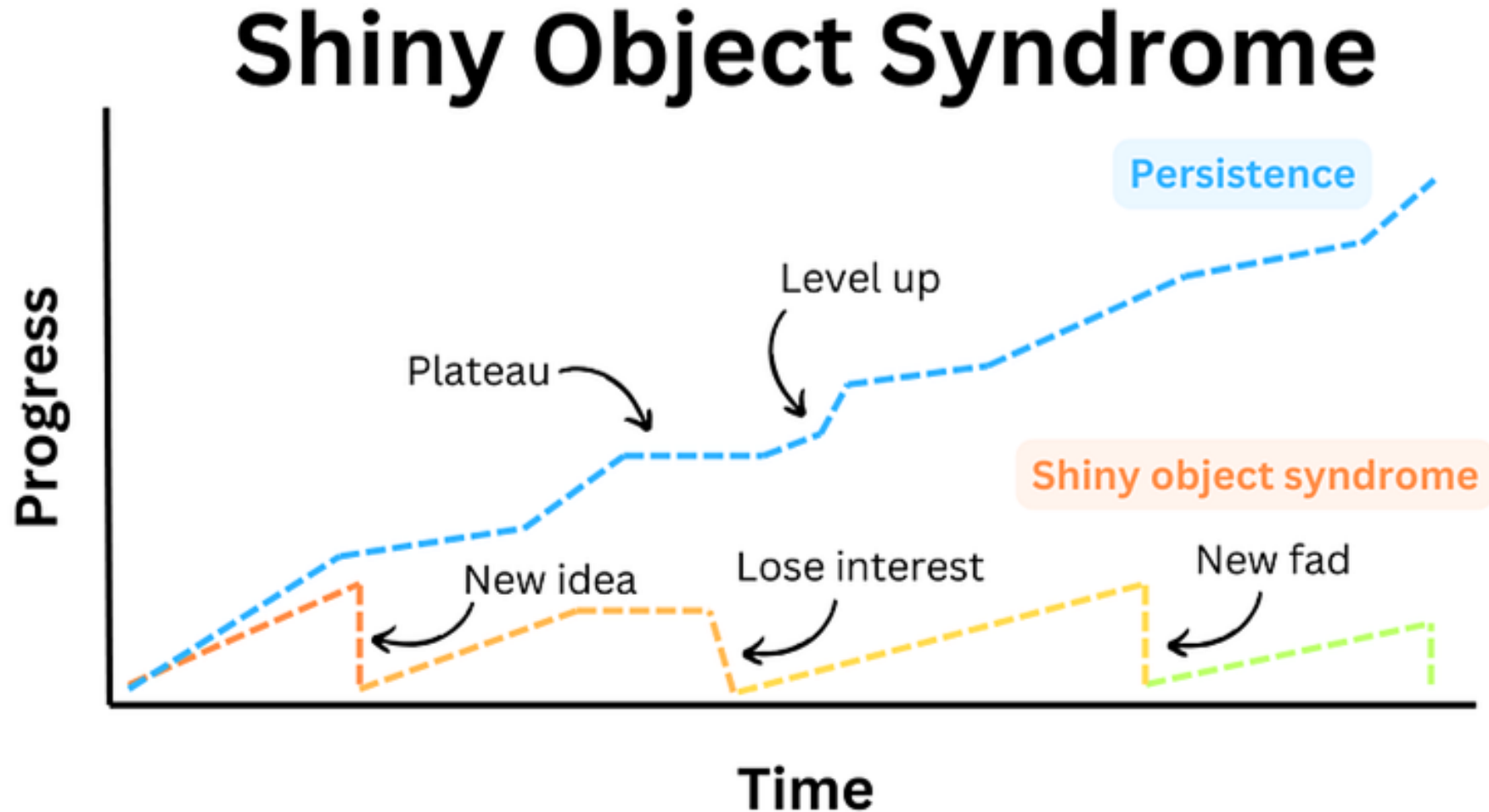




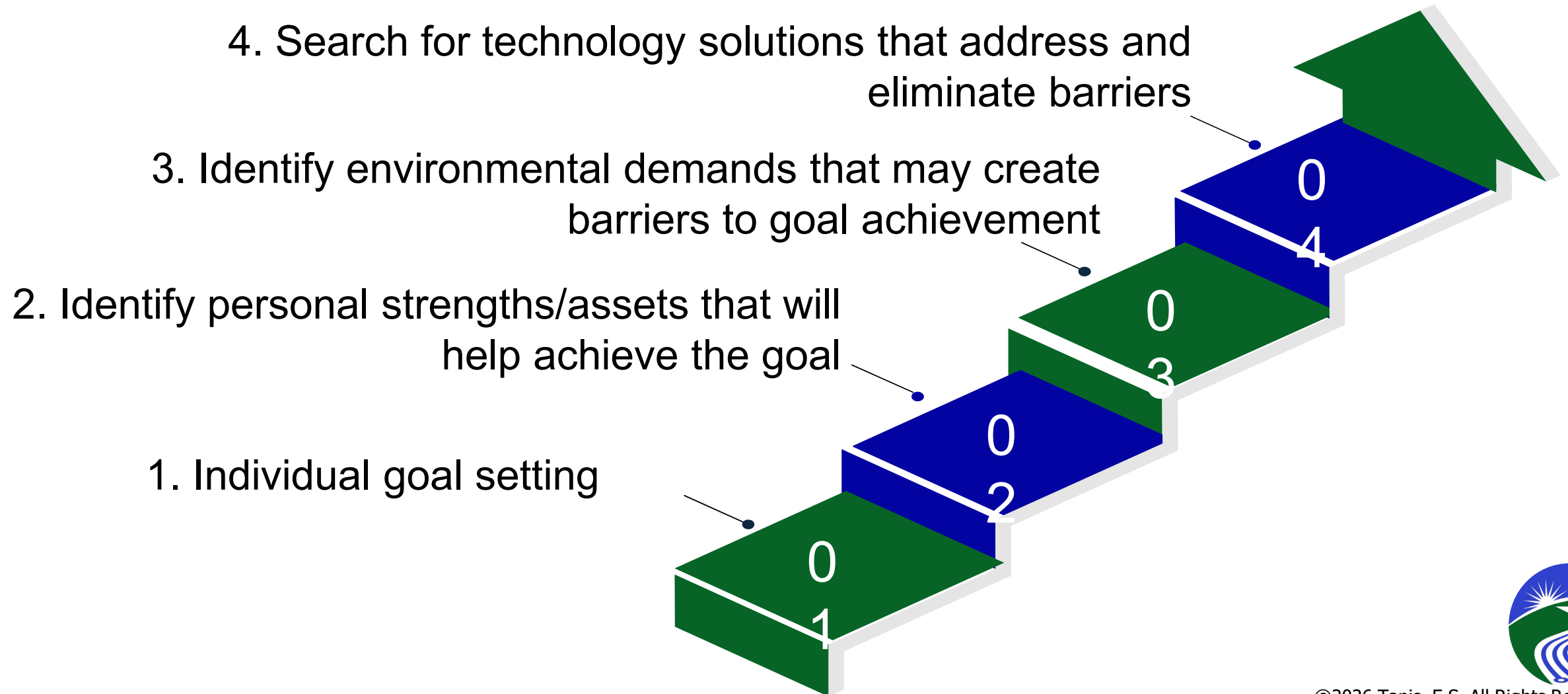
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Bringing it Back: The Focus on Goal Setting and Selection of Technology Solutions

Shiny Object Syndrome Will Lead You Astray



Person-Directed Process for Identifying Technology Solutions (Training Session 1)



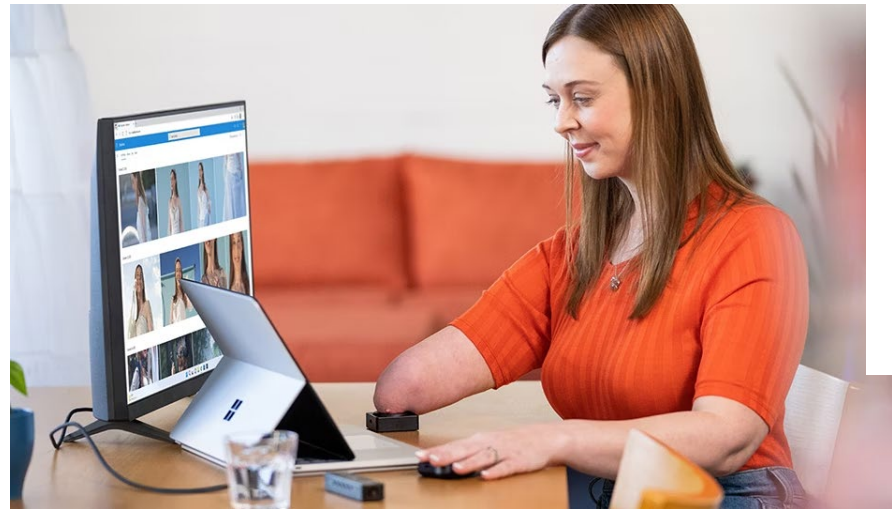
Activity

- Individual Goal: Communicate with friends and family using email
 - Strengths to achieve goal – Can type words, know what email icons mean (send, draft, inbox, etc.)
 - Environmental demands that create barriers – physical and coordination skills make it challenging to use the computer mouse for navigation
 - Search for technology solutions to eliminate barriers – an alternative to a typical computer mouse navigation



5 Minute Web Search Results

- *Adaptive mouse* keyword search
 - Keyboard and mouse alternatives and adaptations | AbilityNet
 - ATK – 228 items under “computer-related” category in the device loan catalog ATK - Browse Computers & Related Equipment
- Alternative to a computer mouse
 - Touch Screen
 - Simple navigation software
 - Voice activation navigation
 - Keyboard shortcuts
 - Eye-gaze tracking
 - Head tracking system





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Technology Solutions Specialists

Other Training Series Topics

- **#1 The Self-Directed Model for Identifying Technology Solutions for Individual Goal Attainment**
- **#2 Technology Solutions Specialists: Leadership and Peer Mentorship**
- **#3 Accessibility and Why it Matters**
- **#4 Technology Agility, Resilience, and Literacy Training for Users and Professionals**
- **#5 Technology-Related Services, Waiver Policies, and Resources for Technology Acquisition**



Stay in Touch!



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